

COGOC4

Carry out slinging and signalling for the movement of loads in offshore crane operations



Overview

This unit is for general operatives and operators and drivers of specialised plant and machinery who sling and signal loads for lifting, essentially those operations where the transfer of a load is carried out using various types of lifting gear. This may be sing ropes, special slings or other dedicated equipment where specific attention is given to the lifting points and balancing of the load. Equally important is the safe putting down and unslinging of a load. Therefore, with the lift in the main being operated in a remote situation it is also essential to have good communication and clear signalling.

The unit deals with the following:

1. Preparing and slinging loads for lifting
2. Directing and controlling the movement and placing of loads

During this work you must take account of the relevant operational requirements and safe working practices AS THEY APPLY TO YOU.

Previous version:

Unit PR7 – National Occupational Standards for Offshore Crane Operations
– January 2003

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Performance criteria

You must be able to:

- P1 accurately identify loads being moved, from relevant information and instruction
- P2 choose slinging techniques to suit the characteristics of the loads, and the intended lift
- P3 identify difficulties in carrying out the slinging and movement of loads and clarify how to deal with them with the appropriate person(s)
- P4 select and confirm that slinging equipment is suitable for the load(s) to be lifted
- P5 report defects and faults relating to the slinging equipment to the authorised person
- P6 prepare and sling loads in accordance with the chosen slinging techniques
- P7 confirm that the support and balance of the slung load is satisfactory and secure prior to movement
- P8 carry out work to approved procedures and practices and in compliance with statutory requirements
- P9 agree load movement and operations procedures with relevant personnel
- P10 confirm and establish the method of signalling and communication with relevant personnel before starting any movement operations
- P11 signal and communicate clearly and in accordance with approved procedures and practices
- P12 direct the movement of the load to its destination accurately, using the agreed signalling code
- P13 respond to unclear signalling and communication promptly
- P14 clarify what is meant by any unclear signals or communication so as not to endanger personnel or operations
- P15 monitor the stability of the load throughout the movement and on release of the load
- P16 position and set down the load and relax the sling for the removal of the lifting equipment

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Knowledge and understanding

You need to know and understand:

- K1 relevant types of information and instruction sources for the work activity including the following: work sheets, specifications, identification information
- K2 the types of lifting equipment in use within the offshore petroleum industry, including general, specific and specialised lifting gear
- K3 the hazards and conditions that can affect the lifting activity
- K4 slinging methods in relation to safe working loads and angles of lift
- K5 load stability, security and weight distribution factors
- K6 load characteristics (e.g. hazardous/non-hazardous)
- K7 slinging gear capabilities (e.g. capacities, strengths, weaknesses and limitations)
- K8 the types of defects and faults that are possible with lifting operations.
- K9 lifting equipment discard criteria
- K10 coding and identification systems for lifting equipment
- K11 what the following types of approved procedures and practices require in the context of the operations, the work activity and the workplace environment: organisational, regulatory, emergency, operational
- K12 what your responsibilities are under the relevant statutory and regulatory requirements
- K13 the interpretation of instructions for load movement
- K14 relevant personnel involved with the activity to include: authorised persons, personnel involved with the activity
- K15 use of the following methods for signalling and communication: hand signalling, oral, second person
- K16 the reasons for wearing clear-visibility clothing

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Additional Information

Scope/range

The main categories of plant and machinery associated with 'lifting and transferring' are:

Cranes (e.g. Gantry, Mobile, Overhead, Pedestal, Quay, Tower), Lift Trucks (e.g. Industrial, Rough Terrain, Variable Reach) other dedicated Lifting Plant and Machinery (e.g. Straddle Carriers).

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Developed by Cogent

Version number 1

Date approved July 2010

Indicative review date July 2012

Validity Current

Status Original

Originating organisation Cogent

Original URN OC4

Relevant occupations Professional Occupations; Engineering Professionals; Engineering and manufacturing technologies; Engineering; Architects, Town Planners and Surveyors

Suite Offshore Crane Operations

Key words carry out, slinging, signalling, movement, loads, safety, equipment